



SANITARY PROCESS SENSORS

Sanitary Pressure Transducers and Transmitters

Using Micro-Machined Silicon Technology

10 mV/V, 0 to 5 Vdc, 4 to 20 mA Outputs

Gage Pressure: 10 inH₂O to 600 psi (25 mb to 41 bar)

Absolute Pressure: 5 to 600 psi (345 mb to 41 bar)

Compound Gage: ±10 inH₂O to ±15 psi (±25 mb to ±1 bar)

Vacuum (Negative Gage): 0 to -10 inH₂O to 0 to -15 psi (25 mb to 1 bar)

Barometric Ranges: 0 to 32 inHg to 26 to 32 inHg

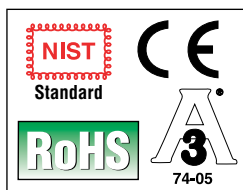
Twist-lock style.

mini DIN style.

1½" or 2"
Tri-Grip™ Fitting

PX409S Tri-Grip™ Sanitary Series

PX429S15-015GV, shown
smaller than actual size.



- ✓ High, 0.08% Accuracy
- ✓ Solid State Sensor for Durability
- ✓ Excellent Long Term Stability
- ✓ Welded Stainless Steel Construction
- ✓ 316L SS Wetted Parts
- ✓ Shock and Vibration Rated
- ✓ High Overpressure Rating
- ✓ Ruggedized with Secondary Containment System

The PX409S Series micro-machined silicon transducers with 1½" or 2" sanitary fittings are ideal for pressure or level CIP applications in food processing, beverage or bio/pharmaceutical applications as well as industrial applications that require a rugged, high accuracy

transducer. The micro-machined silicon sensor provides a very stable transducer with exceptional high accuracy of 0.08% and a broad compensated range of -4 to 85°C (25 to 185°F). The modular construction allows for fast delivery of most configurations and fittings.

Common Specifications

Accuracy: ±0.08% best straight line (linearity, hysteresis and repeatability combined) compound gage models calibrated in positive direction only

Calibration: 5-point NIST traceable calibration with zero and span values, calibrated in horizontal direction

Zero Balance: ±0.5% FS typical ±1% max (for ranges ≤2.5 psi ±1% typ. ±2% max)

Span Setting: ±0.5% FS typical ±1% max (for ranges ≤2.5 psi ±1% typ. ±2% max)

Operating Temperature Range: -15 to 115°C (-5 to 240°F)



PX419S20-100AV, shown
smaller than actual size.

Compensated Temperature Range:

Ranges ≤ 5 psi: 4.4 to 60°C (40 to 140°F)

Ranges > 5 psi: -4 to 85°C (25 to 185°F)

Temperature Compensation:

Zero and Span Shift Over Compensated Range

Ranges ≤ 2.5 psi:

Zero: 1.00%

Span: 0.70%

Range = 5 psi:

Zero: 0.80%

Span: 0.50%

Ranges > 5psi:

Zero: 0.50%

Span: 0.50%

26B & 26HB Barometric Range:

Zero: 0.90%

Span: 0.50%

Minimum Isolation Between Case and Output Terminations:

100M Ω @ 50 Vdc

Pressure Cycles: >250,000 cycles

Long Term Stability (1-Year):

±0.1% FS typical

Shock: 50 g, 11 ms half sine shock, (under test)

Vibration: ±20 g (under test)

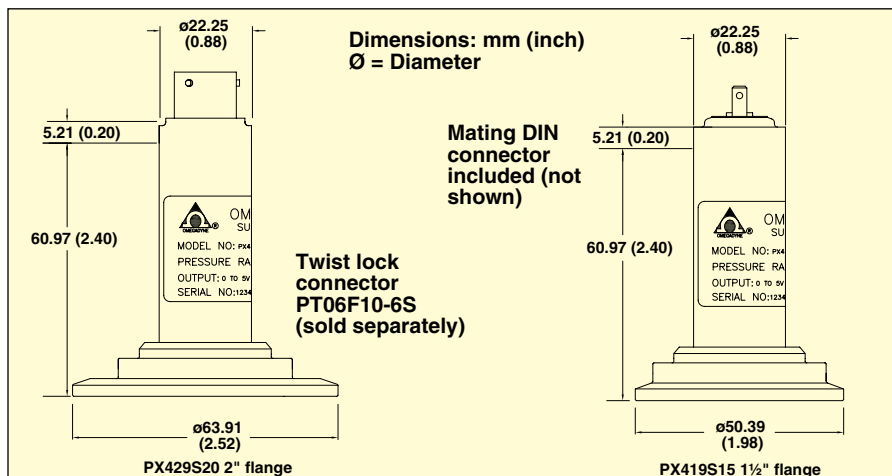
Bandwidth: DC to 1 kHz typical

Response Time: <1 ms

Fill Fluid: NEOBEE M5 food grade

Approved to 3A Sanitary Specification 74-05

CE Compliant: Meets industrial emissions and immunity standard IEC61326 for industrial locations



Environmental Protection:
IP65 or IP67 depending upon
electrical termination

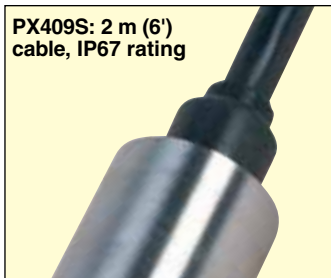
Pressure Rating:
1½" and 2" Tri-Grip™ (compatible
with Tri-Clamp®)

Fitting: 600 psi using suitable clamp
Over Pressure: 4 x rated pressure
to maximum rated flange pressure
Secondary Containment: 6 x rated
pressure to a maximum of 2000 psi
(not in clamp)

Wetted Parts:
316L SS
Weight: 285 g (10 oz)

Electrical Terminations

PX409S: 2 m (6')
cable, IP67 rating



PX409CS: Conduit/
cable IP67 rating



PX419S: mini DIN
IP67 rating, absolute
IP65 rating, gage



PX429S: Twist-lock
IP67 rating, absolute
IP65 rating, gage



PX459S: M12 connector
IP67 rating, absolute
IP65 rating, gage



Sanitary Pressure Transducers Gage and Absolute Range

10 mV/V Output

- ✓ 1½" or 2" Tri-Grip™ Fittings Available
- ✓ All Stainless Steel Construction
- ✓ High Reliability Silicon Sensor
- ✓ 3A Approved

**10 mV/V
Output**

To Order

Range		1½" Tri-Grip™ Fitting	2" Tri-Grip™ Fitting
psi	bar		
Gage Pressure Models, 10 mV/V Output			
0 to 10 inH ₂ O	0 to 25 mb	PX4[*]9S15-10WGV	PX4[*]9S20-10WGV
0 to 1	0 to 69 mb	PX4[*]9S15-001GV	PX4[*]9S20-001GV
0 to 2.5	0 to 172 mb	PX4[*]9S15-2.5GV	PX4[*]9S20-2.5GV
0 to 5	0 to 345 mb	PX4[*]9S15-005GV	PX4[*]9S20-005GV
0 to 15	0 to 1	PX4[*]9S15-015GV	PX4[*]9S20-015GV
0 to 30	0 to 2.1	PX4[*]9S15-030GV	PX4[*]9S20-030GV
0 to 50	0 to 3.4	PX4[*]9S15-050GV	PX4[*]9S20-050GV
0 to 100	0 to 6.9	PX4[*]9S15-100GV	PX4[*]9S20-100GV
0 to 150	0 to 10.3	PX4[*]9S15-150GV	PX4[*]9S20-150GV
0 to 250	0 to 17.2	PX4[*]9S15-250GV	PX4[*]9S20-250GV
0 to 500	0 to 34.5	PX4[*]9S15-500GV	PX4[*]9S20-500GV
0 to 600	0 to 41.4	PX4[*]9S15-600GV	
Absolute Pressure Models, 10 mV/V Output			
0 to 5	0 to 345 mb	PX4[*]9S15-005AV	PX4[*]9S20-005AV
0 to 15	0 to 1	PX4[*]9S15-015AV	PX4[*]9S20-015AV
0 to 30	0 to 2.1	PX4[*]9S15-030AV	PX4[*]9S20-030AV
0 to 50	0 to 3.4	PX4[*]9S15-050AV	PX4[*]9S20-050AV
0 to 100	0 to 6.9	PX4[*]9S15-100AV	PX4[*]9S20-100AV
0 to 150	0 to 10.3	PX4[*]9S15-150AV	PX4[*]9S20-150AV
0 to 250	0 to 17.2	PX4[*]9S15-250AV	PX4[*]9S20-250AV
0 to 500	0 to 34.5	PX4[*]9S15-500AV	PX4[*]9S20-500AV
0 to 600	0 to 41.4	PX4[*]9S15-600AV	

[*] Select Electrical Termination Below (no extra charge)

0 (PX409S) = 2 m (6') cable**

1 (PX419S) = mini DIN connector (mating connector supplied)

2 (PX429S) = twist lock connector (mating connector PT06F10-6S sold separately)

5 (PX459S) = M12 connector (M12 cables sold separately, see accessories on next page)

** To order with a ½ NPT conduit fitting, specify model **PX409CS**.

Ordering Examples: PX409S15-005GV, 2 m (6') cable termination, 1.5" Tri-Grip fitting, 5 psig range, 10 mV/V output.

PX419S20-10WGV, mini DIN connector, 2" Tri-Grip fitting, 10 inH₂O range, 10 mV/V output.

PX429S15-050GV, twist-lock connector, 1.5" Tri-Grip fitting, 50 psig range, 10 mV/V output. mating connector sold separately, **PT06F10-6S**.

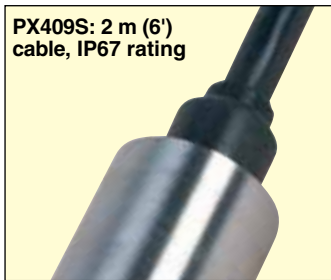
PX459S15-100GV, M12 connector, 1.5" Tri-Grip fitting, 100 psig range, 10 mV/V output.



Sanitary Pressure Transducers Compound, Vacuum and Barometric Ranges

Electrical Terminations

PX409S: 2 m (6') cable, IP67 rating



PX409CS: Conduit/cable IP67 rating



PX419S: mini DIN IP67 rating, absolute IP65 rating, gage



PX429S: Twist-lock IP67 rating, absolute IP65 rating, gage



PX459S: M12 connector IP67 rating, absolute IP65 rating, gage



Specifications (mV/V Output)

Output: 10 mV/V: ratiometric
5 to 10 Vdc

Supply: 5 to 10 Vdc

Accuracy: $\pm 0.08\%$ BSL (linearity, hysteresis repeatability combined)
compound gage models calibrated in positive direction only

To Order

Range		1½ Tri-Grip™ Fitting	2" Tri-Grip™ Fitting
psi	mbar		
Compound Gage Ranges			
±10 inH ₂ O	±25	PX4[*]9S15-10WCGV	PX4[*]9S20-10WCGV
±1	±69	PX4[*]9S15-001CGV	PX4[*]9S20-001CGV
±2.5	±172	PX4[*]9S15-2.5CGV	PX4[*]9S20-2.5CGV
±5	±345	PX4[*]9S15-005CGV	PX4[*]9S20-005CGV
±15	±1034	PX4[*]9S15-015CGV	PX4[*]9S20-015CGV
Vacuum Ranges (Negative Gage, 0 = Ambient)			
0 to -10 inH ₂ O	0 to -25	PX4[*]9S15-10WVV	PX4[*]9S20-10WVV
0 to -1	0 to -69	PX4[*]9S15-001VV	PX4[*]9S20-001VV
0 to -2.5	0 to -172	PX4[*]9S15-2.5VV	PX4[*]9S20-2.5VV
0 to -5	0 to -345	PX4[*]9S15-005VV	PX4[*]9S20-005VV
0 to -15	0 to -1034	PX4[*]9S15-015VV	PX4[*]9S20-015VV
Barometric Ranges (Absolute Pressure)			
0 to 32 inHg	—	PX4[*]9S15-32BV	PX4[*]9S20-32BV
16 to 32 inHg	—	PX4[*]9S15-16BV	PX4[*]9S20-16BV
26 to 32 inHg	—	PX4[*]9S15-26BV	PX4[*]9S20-26BV
—	0 to 1100 hPa	PX4[*]9S15-32HBV	PX4[*]9S20-32HBV
—	550 to 1100 hPa	PX4[*]9S15-16HBV	PX4[*]9S20-16HBV
—	880 to 1100 hPa	PX4[*]9S15-26HBV	PX4[*]9S20-26HBV

Accessories

Model No.	Description
M12C-PVC-4-S-F-5	PVC cable, straight 4-pin M12 female connector one end, flying leads one end, 5 m (16.4') long, for PX459
M12C-PVC-4-R-F-5	PVC cable, right angled 4-pin M12 female connector one end, flying leads one end 5 m (16.4') long, for PX459
PT06F10-65	Twist lock connector for PX429

[*] Select Electrical Termination Below (no extra charge)

0 (PX409S) = 2 m (6') with flying leads**

1 (PX419S) = mini DIN connector (mating connector supplied)

2 (PX429S) = twist lock connector (mating connector PT06F-10S sold separately)

5 (PX459S) = M12 connector (M12 cables sold separately see chart above)

** To order with a ½ NPT conduit fitting, specify model **PX409CS**.

Custom configurations also available, see omega.com/pxconfig

Ordering Examples: PX409S15-015CGV, cable termination, 1.5" Tri-grip fitting, ± 15 psig range, 10 mV/V output.

PX459S20-001VV, M12 termination, 2" Tri-grip fitting, 0 to -1 psi (vacuum) range, 10 mV/V output.

PX419S15-16HBV, mini DIN termination, 1.5" Tri-grip fitting, 550 to 1100 hPa calibrated range, 10 mV/V output.

Sanitary Pressure Transducers Gages and Absolute Ranges

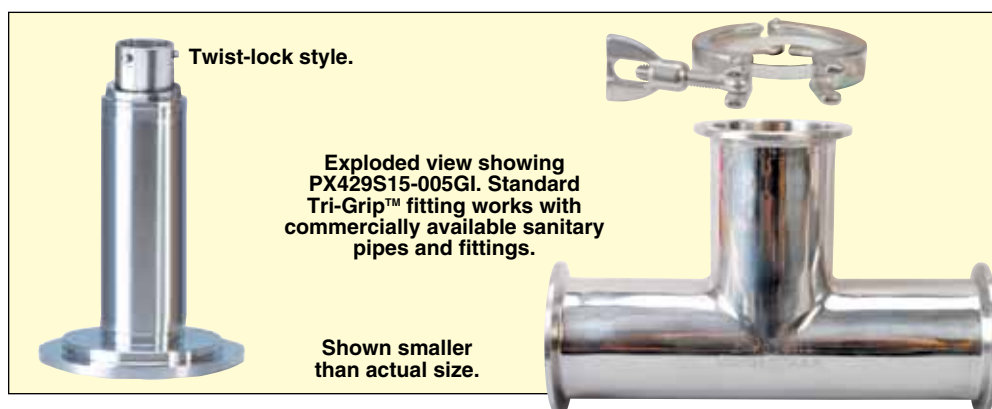
0 to 5 Vdc or
0 to 10 Vdc
Output

0 to 5 or 0 to 10 Vdc
Output

- ✓ 1½" or 2" Tri-Grip™ Fittings Available
- ✓ All Stainless Steel Construction
- ✓ High Reliability Silicon Sensor
- ✓ 3A Approved



DP41-E, shown smaller than actual size.



To Order

Range		1½" Tri-Grip™ Fitting	2" Tri-Grip™ Fitting
psi	bar		
Gage Pressure Models, 0 to 5 Vdc Output			
0 to 10 inH ₂ O	0 to 25 mb	PX4[*]9S15-10WG5V	PX4[*]9S20-10WG5V
0 to 1	0 to 69 mb	PX4[*]9S15-001G5V	PX4[*]9S20-001G5V
0 to 2.5	0 to 172 mb	PX4[*]9S15-2.5G5V	PX4[*]9S20-2.5G5V
0 to 5	0 to 345 mb	PX4[*]9S15-005G5V	PX4[*]9S20-005G5V
0 to 15	0 to 1	PX4[*]9S15-015G5V	PX4[*]9S0-015G5V
0 to 30	0 to 2.1	PX4[*]9S15-030G5V	PX4[*]9S20-030G5V
0 to 50	0 to 3.4	PX4[*]9S15-050G5V	PX4[*]9S20-050G5V
0 to 100	0 to 6.9	PX4[*]9S15-100G5V	PX4[*]9S20-100G5V
0 to 150	0 to 10.3	PX4[*]9S15-150G5V	PX4[*]9S20-150G5V
0 to 250	0 to 17.2	PX4[*]9S15-250G5V	PX4[*]9S20-250G5V
0 to 500	0 to 34.5	PX4[*]9S15-500G5V	PX4[*]9S20-500G5V
0 to 600	0 to 41.4	PX4[*]9S15-600G5V	
Absolute Pressure Models, 0 to 5 Vdc Output			
0 to 5	0 to 345 mb	PX4[*]9S15-005A5V	PX4[*]9S20-005A5V
0 to 15	0 to 1	PX4[*]9S15-015A5V	PX4[*]9S0-015A5V
0 to 30	0 to 2.1	PX4[*]9S15-030A5V	PX4[*]9S20-030A5V
0 to 50	0 to 3.4	PX4[*]9S15-050A5V	PX4[*]9S20-050A5V
0 to 100	0 to 6.9	PX4[*]9S15-100A5V	PX4[*]9S20-100A5V
0 to 150	0 to 10.3	PX4[*]9S15-150A5V	PX4[*]9S20-150A5V
0 to 250	0 to 17.2	PX4[*]9S15-250A5V	PX4[*]9S20-250A5V
0 to 500	0 to 34.5	PX4[*]9S15-500A5V	PX4[*]9S20-500A5V
0 to 600	0 to 41.4	PX4[*]9S15-600A5V	

[*] Select Electrical Termination Below (no extra charge)

0 (PX409S) = 2 m (6') cable**

1 (PX419S) = mini DIN connector (mating connector supplied)

2 (PX429S) = twist Lock connector (mating connector PT06F10-6S not included)

5 (PX459S) = M12 connector (M12 cables sold separately, see accessories on next page)

** To order with a ½ NPT conduit fitting, specify model **PX409CS**.

To order 0 to 10 Vdc output, change "5V" to "10V", no extra charge.

Ordering Examples: PX409S15-005G5V, 2 m (6') cable termination, 1.5" Tri-Grip fitting, 5 psig range, 0 to 5 Vdc output.

PX419S20-10WG5V, mini DIN connector, 2" Tri-Grip fitting, 10 inH₂O range, 0 to 5 Vdc output.

PX429S15-050G10V, twist-lock connector, 1.5" Tri-Grip fitting, 50 psig range, 0 to 10 Vdc output, mating connector sold separately, PT06F10-6S.

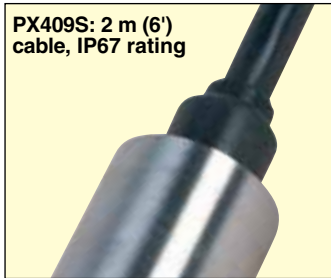
PX459S15-100G5V, M12 connector, 1.5" Tri-Grip fitting, 100 psig range, 0 to 5 Vdc output.



Sanitary Pressure Transmitters Compound, Vacuum and Barometric Ranges

Electrical Terminations

PX409S: 2 m (6')
cable, IP67 rating



PX409CS: Conduit/
cable IP67 rating



PX419S: mini DIN
IP67 rating, absolute
IP65 rating, gage



PX429S: Twist-lock
IP67 rating, absolute
IP65 rating, gage



PX459S: M12 connector
IP67 rating, absolute
IP65 rating, gage



Specifications (Amplified Voltage Output)

Output/Supply:

0 to 5 Vdc: 10 to 30 Vdc

0 to 10 Vdc: 15 to 30 Vdc

Accuracy: $\pm 0.08\%$ BSL (linearity,
hysteresis repeatability combined)
compound gage models calibrated in
positive direction only

To Order

Range		1½ Tri-Grip™ Fitting	2 Tri-Grip™ Fitting
psi	mbar		
Compound Gage Ranges			
±10 inH ₂ O	±25	PX4[*]9S15-10WCG5V	PX4[*]9S20-10WCG5V
±1	±69	PX4[*]9S15-001CG5V	PX4[*]9S20-001CG5V
±2.5	±172	PX4[*]9S15-2.5CG5V	PX4[*]9S20-2.5CG5V
±5	±345	PX4[*]9S15-005CG5V	PX4[*]9S20-005CG5V
±15	±1034	PX4[*]9S15-015CG5V	PX4[*]9S20-015CG5V
Vacuum Ranges (Negative Gage, 0 = Ambient)			
0 to -10 inH ₂ O	0 to -25	PX4[*]9S15-10WV5V	PX4[*]9S20-10WV5V
0 to -1	0 to -69	PX4[*]9S15-001V5V	PX4[*]9S20-001V5V
0 to -2.5	0 to -172	PX4[*]9S15-2.5V5V	PX4[*]9S20-2.5V5V
0 to -5	0 to -345	PX4[*]9S15-005V5V	PX4[*]9S20-005V5V
0 to -15	0 to -1034	PX4[*]9S15-015V5V	PX4[*]9S20-015V5V
Barometric Ranges (Absolute Pressure)			
0 to 32 inHg	—	PX4[*]9S15-32B5V	PX4[*]9S20-32B5V
16 to 32 inHg	—	PX4[*]9S15-16B5V	PX4[*]9S20-16B5V
26 to 32 inHg	—	PX4[*]9S15-26B5V	PX4[*]9S20-26B5V
—	0 to 1100 hPa	PX4[*]9S15-32HB5V	PX4[*]9S20-32HB5V
—	550 to 1100 hPa	PX4[*]9S15-16HB5V	PX4[*]9S20-16HB5V
—	880 to 1100 hPa	PX4[*]9S15-26HB5V	PX4[*]9S20-26HB5V

Accessories

Model No.	Description
M12C-PVC-4-S-F-5	PVC cable, straight 4-pin M12 female connector one end, flying leads one end, 5 m (16.4') long, for PX459
M12C-PVC-4-R-F-5	PVC cable, right angled 4-pin M12 female connector one end, flying leads one end 5 m (16.4') long, for PX459
PT06F10-65	Twist lock connector for PX429

[*] Select Electrical Termination Below (no extra charge)

0 (PX409S) = 2 m (6') with flying leads**

1 (PX419S) = mini DIN connector (mating connector supplied)

2 (PX429S) = twist lock connector (mating connector PT06F-10S sold separately)

5 (PX459S) = M12 connector (M12 cables sold separately see chart above)

** To order with a ½ NPT conduit fitting, specify model **PX409CS**.

To order 0 to 10 Vdc output, change "5V" to "10V", no extra charge.

Ordering Examples: PX409S15-015CG5V, cable termination, 1.5" Tri-grip fitting, ± 15 psig range, 0 to 5 Vdc output.

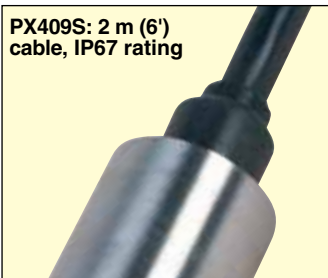
PX459S20-001V5V, M12 termination, 2" Tri-grip fitting, 0 to -1 psi (vacuum) range, 0 to 5 Vdc output.

PX419S15-16HB10V, mini DIN termination, 1.5" Tri-grip fitting, 550 to 1100 hPa calibrated range, 0 to 10 Vdc output.

Sanitary Pressure Transducers Gages and Absolute Ranges

Electrical Terminations

PX409S: 2 m (6')
cable, IP67 rating



PX409CS: Conduit/
cable IP67 rating



PX419S: mini DIN
IP67 rating, absolute
IP65 rating, gage



PX429S: Twist-lock
IP67 rating, absolute
IP65 rating, gage



PX459S: M12 connector
IP67 rating, absolute
IP65 rating, gage



**4 to 20 mA
Output**

4 to 20 mA

- ✓ 1½" or 2" Tri-Grip™ Fittings Available
- ✓ All Stainless Steel Construction
- ✓ High Reliability Silicon Sensor
- ✓ 3A Approved

To Order

Range		1½" Tri-Grip™ Fitting	2" Tri-Grip™ Fitting
psi	bar		
Gage Pressure Models, 4 to 20 mA Output			
0 to 10 inH ₂ O	0 to 25 mb	PX4[*]9S15-10WGI	PX4[*]9S20-10WGI
0 to 1	0 to 69 mb	PX4[*]9S15-001GI	PX4[*]9S20-001GI
0 to 2.5	0 to 172 mb	PX4[*]9S15-2.5GI	PX4[*]9S20-2.5GI
0 to 5	0 to 345 mb	PX4[*]9S15-005GI	PX4[*]9S20-005GI
0 to 15	0 to 1	PX4[*]9S15-015GI	PX4[*]9S20-015GI
0 to 30	0 to 2.1	PX4[*]9S15-030GI	PX4[*]9S20-030GI
0 to 50	0 to 3.4	PX4[*]9S15-050GI	PX4[*]9S20-050GI
0 to 100	0 to 6.9	PX4[*]9S15-100GI	PX4[*]9S20-100GI
0 to 150	0 to 10.3	PX4[*]9S15-150GI	PX4[*]9S20-150GI
0 to 250	0 to 17.2	PX4[*]9S15-250GI	PX4[*]9S20-250GI
0 to 500	0 to 34.5	PX4[*]9S15-500GI	PX4[*]9S20-500GI
0 to 600	0 to 41.4	PX4[*]9S15-600GI	
Absolute Pressure Models, 4 to 20 mA Output			
0 to 5	0 to 345 mb	PX4[*]9S15-005AI	PX4[*]9S20-005AI
0 to 15	0 to 1	PX4[*]9S15-015AI	PX4[*]9S20-015AI
0 to 30	0 to 2.1	PX4[*]9S15-030AI	PX4[*]9S20-030AI
0 to 50	0 to 3.4	PX4[*]9S15-050AI	PX4[*]9S20-050A
0 to 100	0 to 6.9	PX4[*]9S15-100AI	PX4[*]9S20-100AI
0 to 150	0 to 10.3	PX4[*]9S15-150AI	PX4[*]9S20-150AI
0 to 250	0 to 17.2	PX4[*]9S15-250AI	PX4[*]9S20-250AI
0 to 500	0 to 34.5	PX4[*]9S15-500AI	PX4[*]9S20-500AI
0 to 600	0 to 41.4	PX4[*]9S15-600AI	

[*] Select Electrical Termination Below (no extra charge)

0 (PX409S) = 2 m (6') cable**

1 (PX419S) = mini DIN connector (mating connector supplied)

2 (PX429S) = Twist Lock connector (mating connector PT06F10-6S sold separately)

5 (PX459S) = M12 connector (M12 cables sold separately, see accessories on next page)

** To order with a ½ NPT conduit fitting, specify model **PX409CS**.

Ordering Examples: PX409S15-005GI, 2 m (6') cable termination, 1.5" Tri-Grip fitting, 5 psig range, 4 to 20 mA output.

PX419S20-10WGI, mini DIN connector, 2" Tri-Grip fitting, 10 inH₂O range, 4 to 20 mA output.

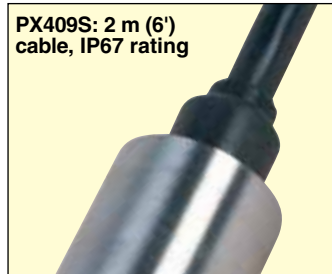
PX429S15-050GI, twist-lock connector, 1.5" Tri-Grip fitting, 50 psig range, 4 to 20 mA output, mating connector sold separately, PT06F10-6S.

PX459S15-100GI, M12 connector, 1.5" Tri-Grip fitting, 100 psig range, 4 to 20 mA output.



Sanitary Pressure Transmitters Compound, Vacuum and Barometric Ranges

Electrical Terminations



Specifications)

Output/Supply:

Output: 4 to 20 mA_{dc}

Supply: 9 to 30 V_{dc}

[9 to 20 V_{dc} above 105°C (229°F)]

max loop res $\Omega = (V_s - 9) \times 50$

Accuracy: $\pm 0.08\%$ BSL (linearity, hysteresis, repeatability combined) compound gage models calibrated in positive direction only

**4 to 20 mA
Output**

To Order

Range		1½ Tri-Grip™ Fitting	2" Tri-Grip™ Fitting
psi	mbar		
Compound Gage Ranges			
±10 inH ₂ O	±25	PX4[*]9S15-10WCGI	PX4[*]9S20-10WCGI
±1	±69	PX4[*]9S15-001CGI	PX4[*]9S20-001CGI
±2.5	±172	PX4[*]9S15-2.5CGI	PX4[*]9S20-2.5CGI
±5	±345	PX4[*]9S15-005CGI	PX4[*]9S20-005CGI
±15	±1034	PX4[*]9S15-015CGI	PX4[*]9S20-015CGI
Vacuum Ranges (Negative Gage, 0 = Ambient)			
0 to -10 inH ₂ O	0 to -25	PX4[*]9S15-10WVI	PX4[*]9S20-10WVI
0 to -1	0 to -69	PX4[*]9S15-001VI	PX4[*]9S20-001VI
0 to -2.5	0 to -172	PX4[*]9S15-2.5VI	PX4[*]9S20-2.5VI
0 to -5	0 to -345	PX4[*]9S15-005VI	PX4[*]9S20-005VI
0 to -15	0 to -1034	PX4[*]9S15-015VI	PX4[*]9S20-015VI
Barometric Ranges (Absolute Pressure)			
0 to 32 inHg	—	PX4[*]9S15-32BI	PX4[*]9S20-32BI
16 to 32 inHg	—	PX4[*]9S15-16BI	PX4[*]9S20-16BI
26 to 32 inHg	—	PX4[*]9S15-26BI	PX4[*]9S20-26BI
—	0 to 1100 hPa	PX4[*]9S15-32HBI	PX4[*]9S20-32HBI
—	550 to 1100 hPa	PX4[*]9S15-16HBI	PX4[*]9S20-16HBI
—	880 to 1100 hPa	PX4[*]9S15-26HBI	PX4[*]9S20-26HBI

Accessories

Model No.	Description
M12C-PVC-4-S-F-5	PVC cable, straight 4-pin M12 female connector one end, flying leads one end, 5 m (16.4') long, for PX459
M12C-PVC-4-R-F-5	PVC cable, right angled 4-pin M12 female connector one end, flying leads one end 5 m (16.4') long, for PX459
PT06F10-65	Twist lock connector for PX429

[*] Select Electrical Termination Below (no extra charge)

0 (PX409S) = 2 m (6') cable with flying leads**

1 (PX419S) = mini DIN cable (mating connector included)

2 (PX429S) = twist-lock connector (mating connector PT06F-10S sold separately)

5 (PX459S) = M12 connector, (M12 cables sold separately see chart above)

** For ½ NPT conduit connector order model PX409CS

Custom configurations also available, see omega.com/pxconfig

Ordering Examples: PX409S15-015CGI, cable termination, 1.5" Tri-grip fitting, ± 15 psig range, 4 to 20 mA output.

PX459S20-001VI, M12 termination, 2" Tri-grip fitting, 0 to -1 psi (vacuum) range, 4 to 20 mA output.

PX419S15-16HBI, mini DIN termination, 1.5" Tri-grip fitting, 550 to 1100 hPa calibrated range, 4 to 20 mA output.

High Accuracy Pressure Transducers Piezoresistive Design With High Temperature Performance

All images shown
smaller than actual size.

Cable style.



PX409S Series

PX409 Cable Connection			
Color	mV	5/10V	mA
Black	- EXC	Common	- Supply
White	+ SIG	+ Output	NC
Green	- SIG	NC	NC
Red	+ EXC	+ EXC	+ Supply

mini DIN and M12 style.

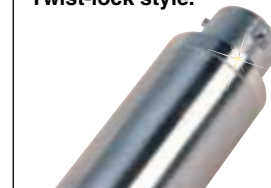


PX419S Series

PX459S M12 connector.

PX419/PX459 Pinout			
Pin	mV	5/10V	mA
1	+ EXC	+ EXC	+ Supply
2	- EXC	Common	- Supply
3	+ SIG	+ Output	NC
4	- SIG	NC	NC

Twist-lock style.

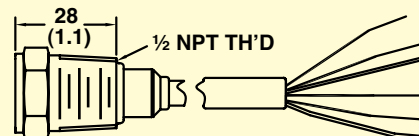


PX429S Series

PX429 Twist-Lock Pinout			
Pin	mV	5/10V	mA
A	+ EXC	+ EXC	+ Supply
B	- EXC	Common	- Supply
C	+ SIG	+ Output	NC
D	- SIG	NC	NC
E	NC	NC	NC
F	NC	NC	NC

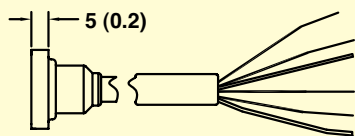
NC = No Connection.

Conduit backend PX409C



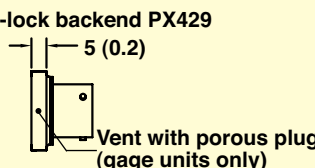
28 (1.1) 1/2 NPT TH'D

Integral cable backend PX409



5 (0.2)

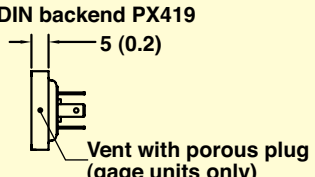
Twist-lock backend PX429



5 (0.2)

Vent with porous plug (gage units only)

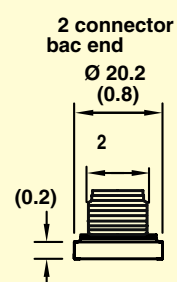
mini DIN backend PX419



5 (0.2)

Vent with porous plug (gage units only)

2 connector bac end



Ø 20.2 (0.8)

2

(0.2)

Dimensions: mm (inch)

Compatible Meters and Accessories

Meters	
Model No.	Description
DP41-S	6-digit high accuracy (0.005%) process meter for use with milli voltage and strain gage bridge output models
DP41-E	6-digit high accuracy (0.005%) meter for use with voltage and current output models
DP25B-E	4-digit precision process meter for use with voltage and current output models
Accessories	
CX5302	Extra mini DIN connector for PX419 Series
PT06F10-6S	Mating twist lock connector for PX429 Series
M12C-PVC-4-S-F-5	PVC cable, straight 4-pin M12 female connector one end, flying leads one end, 5 m (16.4') long, for PX459
M12C-PVC-4-R-F-5	PVC cable, right angled 4-pin M12 female connector one end, flying leads one end 5 m (16.4') long, for PX459